

WHAT IS CLAIMED IS:

CLAIMS:

- 5 1. A coating composition for application on an ink jet printed porous substrate for improving the waterfastness of the ink jet image comprising a polymer, a pH modifier, a thickening additive, an electrolyte, a surfactant, and water.
- 10 2. A coating composition as claimed in claim 1 wherein the polymer comprises ethoxylated polyethyleneimine.
- 15 3. A coating composition as claimed in claim 2 wherein the ethoxylated polyethyleneimine comprises from about 0.5% to 10% by weight, based on a 100% weight basis.
- 20 4. A coating composition as claimed in claim 3 wherein the ethoxylated polyethyleneimine comprises 5% by weight.
5. A coating composition as claimed in claim 1 wherein the surfactant is selected from the group consisting of nonionic, anionic and cationic surfactants.
- 25 6. A coating composition as claimed in claim 5 wherein the surfactant comprises Surfynol.
7. A coating composition as claimed in claim 6 wherein the Surfynol is present in an amount of about 0.05% to 0.5% by weight.
8. A coating composition as claimed in claim 7 wherein the Surfynol comprises 0.3% by weight.

5

10

15

20

25

17. A coating composition as claimed in claim 1 further comprising a lower aliphatic alcohol.

18. A coating composition as claimed in claim 1 further comprising a biocide.

19. A coating composition as claimed in claim 1 further comprising an ultraviolet fluorescent dye.

5

20. A coating composition as claimed in claim 1 wherein the coating composition is used as a pre-coat treatment prior to ink jet imaging the substrate.

09803038-062701